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North Sea Fisheries Investigation	1,250
Imperial Mineral Resources Bureau	11,000
Edinburgh Observatory	1,974

SCIENTIFIC AND INDUSTRIAL RESEARCH £

Salaries, wages and allowances	11,870
Traveling and incidental expenses	1,500
Grants for Investigation and Research:	
(1) Grants for investigations carried out by learned and scientific societies, etc.	13,570
(2) Grants for investigations directly controlled by the Department of Sci- entific and Industrial Research	55,000
(3) Grants to students and other per- sons engaged in research	25,000
Fuel Research Station	12,775
National Physical Laboratory	154,650

SCIENTIFIC NOTES AND NEWS

THE American Philosophical Society will procure a portrait of the late Edward C. Pickering to be hung in the hall of the society "as a token of the affectionate regard in which he was held by his fellow members." Professor Pickering was a vice-president of the society from 1909 to 1917.

DR. J. A. ALLEN, curator of mammals in the American Museum of Natural History, New York City, has been elected the first honorary member of the American Society of Mammalogists and the only person to be elected to such membership during the present year.

THE Harris lectures for 1920 at Northwestern University, are to be delivered by Professor Edward Sharpley Schafer, professor of physiology in the University of Edinburgh.

DR. E. H. SELLARDS, who has been state geologist of Florida since the organization of the survey in 1907, has resigned, and has accepted appointment as geologist in the Bureau of Economic Geology of the University of Texas. Herman Gunter who has been assistant geologist since the department was established has been appointed state geologist.

DR. HERMAN BIGGS, public health commissioner, New York state, presided over the Red Cross Conference held at Cannes this month.

CONSEQUENT upon the occupation of Alsace-Lorraine by the French, M. Esclançon, formerly assistant at the Bordeaux Observatory, has been appointed director of the Strasbourg Observatory.

W. M. SMART, M.A., Trinity College, Cambridge, has been appointed chief assistant at the Cambridge Observatory.

PROFESSOR VAUGHAN HARLEY has resigned the chair of pathological chemistry, which he has held for twenty-three years at the University of London.

CONCLUDING a study of the various phases of the food problem in Army aviation camps, Guy R. Stewart, assistant professor of agricultural chemistry, has resumed his duties at the University of California. Dr. Roy E. Clausen, assistant professor of genetics, has also returned to the university after nearly two years' service in the army.

THE following members of Stanford University have been released from government service and resumed their academic duties with the opening of the spring quarter, March 31, 1919: Bailey Willis, professor of geology; William Frederick Durand, professor of mechanical engineering; Ernest Gale Martin, professor of physiology; Clelia Duel Mosher, assistant professor of personal hygiene and medical adviser of women; Albion Walter Hewlett, professor of medicine and Stanley Stillman, professor of surgery.

A COMPLIMENTARY dinner was tendered Colonel Alexander Lambert, M. C., U. S. Army, president-elect of the American Medical Association, by his professional friends in New York City, on April 12. About 400 of the leading physicians of New York and the east attended. Dr. George D. Stewart acted as toastmaster. The speakers were Colonel Frank Billings, M. C., U. S. Army, Chicago; Dr. William S. Thayer, of Baltimore; Dr. George E. Brewer, of New York, and Rev. Charles A. Eaton, of New York. Dr. Lambert responded with an account of his experiences abroad as chief medical director of the American Red Cross hospitals.

THE *Journal of the American Mathematical Society* states that Professor Joseph Allen, of the College of the City of New York, and Professor W. H. Metzler, of the University of Syracuse, have gone to France on army educational work. Captain P. L. Thorne, assistant professor of mathematics at New York University, has recently returned to his university work. He served at the front in France with the Sixtieth Heavy Artillery regiment. Captain A. L. Underhill, of the University of Minnesota, has been appointed Commandant at the University of Grenoble in France, where several hundred American soldiers are taking courses while awaiting their opportunity to return home.

PROFESSOR MIYAJIMA, of Tokyo, has arrived in Brazil where he is to do pathological research work at the Butantan Institute.

MESSRS. HOYT S. GALE and J. B. UMPLEBY, of the U. S. Geological Survey, have gone to France to investigate certain questions of mineral resources, particularly potash salts, involved in the peace negotiations.

UNIVERSITY AND EDUCATIONAL NEWS

THE New Haven Section of the American Chemical Society will give a scholarship in chemistry in the Yale Graduate School for the year 1919-20, with the understanding that the scholarship be given to "a graduate student who is a candidate for a higher degree in the department of chemistry. The recipient must be a resident of the territory covered by the New Haven Section, and be selected by a committee composed of the president and councillor of the section and the chairman of the department of chemistry of Yale University."

THE Iowa state legislature has appropriated \$175,000 for the establishment of a psychopathic hospital at the state university. This hospital will be open to both public and private patients suffering from mental disorders. The same legislature also extended the so-called Perkins law to include adults. By the Perkins law an orthopedic hospital is

maintained at the university for the free treatment of the crippled children in the state.

ASSISTANT PROFESSOR LEO F. RETTGER has been promoted to a professorship of bacteriology at Yale University. Dr. Rettger received his B.A. and M.A. at the University of Indiana, and his Ph.D. from Yale in 1902. After studying abroad he was for five years research scholar and fellow at the Rockefeller Institute for Medical Research.

IN the department of chemistry of the Massachusetts Institute of Technology the following appointments have been made: William H. McAdams, to be assistant professor of chemical engineering; Dr. Charles S. Venable and Dr. William G. Horsch, to be research associates in applied chemistry, and Thomas M. Knowland, to be research assistant in the same department.

AT the University of Strasbourg, professor René M. Fréchet, of the university of Poitiers, has been appointed professor of mathematics, and Pierre Weiss, professor at the Polytechnikum, Zurich, professor of general physics.

PROFESSOR E. WIECHERT, of Göttingen, has been appointed professor of geodesy and geophysics at the University of Berlin.

THE Cavendish professorship of experimental physics, at the University of Cambridge, recently vacated by Sir J. J. Thomson, has been filled by the appointment of Sir Ernest Rutherford, of the University of Manchester. Sir J. J. Thomson retains an honorary professorship.

DISCUSSION AND CORRESPONDENCE

ERRONEOUS GENERIC DETERMINATIONS OF BEES

IN SCIENCE, 49: 71, Professor Stevens makes some statements regarding a paper with the above title in SCIENCE, 48: 368. He thinks many important factors influencing generic limitations were overlooked. For example, he points out that the average varies in proportion to the size of the region. In comparing the New Jersey with the local list I thought that fact was obvious. It was intended to discuss neither various factors nor